

News of Mine, of Prospect, of Furnace and of Mill.

SLIMES TREATMENT AT LOCAL PLANTS

Prof. Overstrom, Inventor of the Table of His Name, Goes After a New Achievement.

PROF. GUSTAVE A. OVERSTROM, to whom the metallurgists of the West are indebted for the Overstrom table, successfully employed in the reduction of low-grade copper-bearing ores, says he is developing a method that will enable him to overcome the moisture in the slimes, and that within two years he expects to demonstrate that it will be as easy to handle this portion of the product from ores requiring concentration as it is the original. The Overstrom table now in use at the Utah Copper company's Bingham canyon plant is perhaps the only rival the Overstrom table has, and while the management of that big plant has not made its final order yet, it is not unlikely that Mr. Overstrom's device will divide honors with the old timer.

Prof. Overstrom's endeavors in behalf of the treatment of slimes not only interests the miners of Bingham, but will appeal to the metallurgists of the world. His experiments will be awaited with much interest throughout the State. In his opinion he will have definite conclusions to report to the mining world at the expiration of two years. The miners are to be congratulated that one of such eminent service to them is prepared to devote his time to their interests.

MAKING NICKEL ORE IN FAR OFF-NORWAY

With the shaft dropping down in a solid mass of ore and the future of the undertaking practically assured, Willard Christensen, who has been superintending the development of properties acquired by his father, Senator Smoot and others on the west coast of Norway, came in from his trip to camp yesterday, and will depart again in July. Mr. Christensen brought with him samples of ore that afford a most interesting lesson on the minerals of that country, the assays indicating the presence of 4 per cent nickel, with some cobalt and copper, the whole having a valuation of \$60 per ton. To market this, Mr. Christensen says, the intention of the company is to construct a tramway a distance of about a half mile, between the mines and the leading station on the water, and to that end construction will begin immediately he returns to the camp. The findings over there, says Mr. Christensen, are most interesting. Two hundred years ago they were prosecuted for the iron contained in them, and of that metal were very productive. Then came the nickel discoveries, and it now looks as if the camp would be made as productive of this metal as in any nickel-bearing camp in the world. Associated with Mr. Christensen are some of the best-known people in Utah, and results are being looked forward to with much eagerness.

BRANCH LINE FOR ORES OF GOLDFIELD

A letter from Arthur Hudson, superintendent of the Twilight group of prospects adjoining the Belcher mines out of Tonopah, Nev., says that a contract has been let for the construction of a branch line of railway from the main line between Rhoads and Tonopah to Goldfield and that the distance between his properties and transportation will be reduced to less than two miles. This, he says, will enable the Belcher to market over 200 tons of second-class ore which has been lying on the Belcher dump since it was in the 70s, operated as the Gen. Thomas mine. Mr. Hudson also writes that the management of the Belcher will begin the forwarding of first-class ores to the station at Tonopah within the next few days. He reports about eight carloads now stacked and ready for shipment and expects to busy the teams for some days. To Gold Mountain and Goldfield the extension means everything in the vocabulary of advantage.

THE DIAMOND STRIKE IN A BONA FIDE ONE

Superintendent Radatz of the Honerine, who was in from that Stockton bonanza yesterday, says the management of the Black Diamond is too modest in its declaration to accept the recent development in the cross-cut to Bullion ground as a strike. It is not a solid body of ore, said Mr. Radatz, but there is ten feet of mineral between walls, some of which is good enough for any market, while the whole affords a good mill average.

On the arrival of the Chiller mill, which is due early next month, the output of the Honerine, said the superintendent, will be increased to 500 tons daily.

The new development in the Galena King is a most important one, and while the ore body is not a large one, its quality compares favorably with the best that has been encountered in the camp.

MONTANA PROMISES A BIG DIVIDEND

Reports from Tonopah foretell a most substantial offering at the counters of the Montana Mining company next month, and while the amount has not been decided on nor the day fixed it is said that it will not be less than \$100,000. It is said of the company's stock, indeed, that its contents have been swelled to approximately \$200,000, this sum derived from ores that have been taken out in the prosecution of development. The shares on yesterday's market advanced to \$2.50, a pretty compliment to the management of Charles E. Knox, who has presided over the undertaking from the first.

FINE GOLD GRAVEL ON GRAND RIVER

Charley Brown will leave for the Grand river this morning, where he goes to make the first clean-up from placers that are being operated by him along that stream. It is the intention of Mr. Brown during his absence to install equipment on his placers that will enable him to sluice at least 1000 yards of gravel daily.

"The gravel at this time," said Mr. Brown yesterday, "is maintaining an average better than \$1 per cubic yard, and I hope to be able to provide means with which to pay dividends the present season."

Above him and along the same stream are a number of parties engaged in the active sluicing of gravel, not a little of which shows a valuation exceeding \$2 a cubic yard. It is the intention of Mr. Brown and his associates to put in such machinery as may be necessary to economically reduce a much greater tonnage than at present and to that end he will place orders on his return from the southern country. His neighbors on the Grand river are making a fine record and the gold output from that source promises to add not a little to the enormous resources of this State during 1904.

THE DAY ON 'CHANGE WAS A LISTLESS ONE

The day on the mining exchange closed on the sale of 12,500 shares of stock, that brought \$3375, and with the market generally stronger. Mammoth of Tintic seized the lead and moved rapidly up to \$12.25, while Montana of Tonopah sprang to \$1.50, and Daily-Judge of Park City to \$4.50. Swansea of Tintic on a report that it is to begin the active forwarding of ore again, and for which Manager Geddes says there is no foundation, moved up rapidly to 50 cents. A hare, while Sacramento, which will distribute the usual dividend on July 1, changed hands at 15 cents, with Con-Mercer changing hands around 24 cents. The remainder of the shares were dull and inactive, the day closing on the following market:

	A. M.	P. M.
Alax	109 1/2	109 1/2
Alice	20	20
Butler	1.00	1.00
Butler - Lib.	1.25	1.25
Carroll	65	65
Century	80	80
Crook	40	40
Con-Mercer	24 1/2	24 1/2
Daily	4.50	4.50
Daily - Judge	4.45	4.45
Daily West	24.00	23.00
Emerald	1.00	1.00
E. & B. B.	1.00	1.00
Galena	90	90
Gen. Thomas	1.50	1.50
Golconda	4.00	4.00
Horn Silver	1.05	1.05
Imperial	1.00	1.00
Int'l. But-Tono	1.00	1.00
Little Chief	.65	.65
Little Chief	.65	.65
La Reine	.65	.65
Mont. - Tono	2.50	2.50
Mont. - Tono	2.50	2.50
May Day	.05	.05
M. Wash.	.05	.05
Mr. Zoro	.05	.05
New York	.04	.04
Ontario	2.50	2.50
Petro	.05	.05
R. - Anacon	.05	.05
R. - Home	.05	.05
Sunshine	.05	.05
Swansea	.05	.05
Sacto	.10	.10
Star King	.05	.05
Star Con.	.11	.11
Sil. Shield	.05	.05
Tonopah	1.50	1.50
Ton. - Exten	1.10	1.10
Ton. - Midy	.50	.50
Ton. - Midy	.50	.50
U. S. Con.	20.50	20.50
U. S. Con.	15	15
U. S. Con.	15	15
Victoria	.05	.05
Victor	.05	.05
Yank. Con.	.05	.05

MORNING SALES.

Carroll, 200 at \$6; 200 at 64c.
Con-Mercer, 500 at \$10; 100 at 25c; 100 at 23c.
May Day, 200 at \$10; 100 at 17c.
Mammoth, 100 at \$12.25; 100 at \$12.25; 500 at \$12.25.
Swansea, 100 at \$4; 100 at 45c; 200 at 50c.
Uncle Sam Con., 100 at \$15; 200 at 145c.
Shares, \$250.
Selling value, \$1383.

OPEN BOARD.

Con-Mercer, 200 at 23c.
Montana-Tonopah, 50 at \$2.50.
Sacramento, 100 at 15c.
Shares sold, 140.
Selling value, \$687.

AFTERNOON SALES.

Daily-Judge, 100 at \$4.25; 100 at \$4.40; 100 at 4.50.
Emerald, 100 at 15c.
Sacramento, 100 at 15c.
Shares sold, 240.
Selling value, \$1320.

SAN FRANCISCO MINING STOCKS.

SAN FRANCISCO, June 21.—The official closing quotations for mining stocks today were as follows:

Alta	1.00	Justice	1.15
Alumina	6.125	Mexican	1.15
Amalgam	6.00	Old Dominion	1.15
Am. Zinc	9.50	Osceola	22.00
Atlantic	8.50	Parrot	22.125
Bingham	2.00	Quincy	24.00
B. & M.	250.00	Shannon	5.00
Centennial	19.75	Tamarack	5.00
Con. Range	43.50	Trinity	3.75
Daily West	15.00	U. S. Mng.	20.50
Dom. Coal	22.00	U. S. Oil	19.00
Franklin	12.00	U. S. S.	38.75
Graney	2.00	Victoria	2.00
Idaho	2.00	Victor	2.00
Mass. Mng.	4.00	Wolverine	12.00
Michigan	3.25		

BOSTON MINING STOCKS.

Adventure	1.125	Mohawk	14.125
Alumina	6.125	Old Dominion	4.00
Amalgam	6.00	Old Dominion	13.00
Am. Zinc	9.50	Osceola	22.00
Atlantic	8.50	Parrot	22.125
Bingham	2.00	Quincy	24.00
B. & M.	250.00	Shannon	5.00
Centennial	19.75	Tamarack	5.00
Con. Range	43.50	Trinity	3.75
Daily West	15.00	U. S. Mng.	20.50
Dom. Coal	22.00	U. S. Oil	19.00
Franklin	12.00	U. S. S.	38.75
Graney	2.00	Victoria	2.00
Idaho	2.00	Victor	2.00
Mass. Mng.	4.00	Wolverine	12.00
Michigan	3.25		

DAY'S SETTLEMENTS ON ORES AND BULLION

In the ore and bullion market the day's settlements amounted to \$104,800. McCormick & Co. reporting that they offer: American bullion, \$45,900; gold bullion, \$10,000; gold, silver, lead and copper ores, \$48,900.
In the metal market silver ruled at 55 1/2 cents an ounce, lead at \$3.50; gold at \$100 per hundred pounds and casting copper at 1 1/2 cents a pound.

THE TRIBUNE NEWS STANDS

BOSTON—Crawford, Parker.
CHICAGO—Auditorium, Great Northern.
DENVER—Brown Palace.
KANSAS CITY—Midland, Contos.
LOS ANGELES—The Angelus, B. F. Gardner, 205 Spring Street.
MINNEAPOLIS—West Hotel.
NEW YORK—Waldorf-Astoria, Imperial, Astor House.
OMAHA—The Millard, The Paxton.
PORTLAND, OR.—Portland Hotel.
ST. LOUIS—Platters, Southern.
SAN FRANCISCO—Palace.
SEATTLE—Hotel Northern.
WASHINGTON—Willard, Raleigh.

TO SUBSCRIBERS LEAVING TOWN FOR THE SUMMER

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TEN DOLLARS REWARD.

Notify The Tribune if You Miss Your Paper.

If for any cause THE TRIBUNE is not delivered regularly to subscribers please call on John McChesney, while Mr. McChesney is in the City. Your complaint will receive prompt attention.

A reward of Ten Dollars (\$10.00) is offered for the arrest and conviction of anyone caught stealing THE TRIBUNE.

BIG COPPER MINES IN THE FAR EAST

Charles C. Jones, consulting engineer of the Copper Mountain company, whose properties in Shasta county, Cal., were last year productive of a volume of copper approximating thirty millions of pounds, came in from the west yesterday and is seeing the town as the guest of John McChesney. While Mr. Jones is not disposed to go into details concerning the operation of his property, he was graceful enough to admit that it is one of the great producers of the State of California, and promises to add materially to its output the present year.

The Bakakala group of mines, owned by Kimberly and Buchi of Pennsylvania, together with Salt Lake parties, has responded to developments in a manner which makes it a status quo rival of the Copper Mountain. Under the supervision of Grant Snyder, enormous disclosures have been revealed, according to Mr. Jones, while the ores are of low grade, the owners have experienced no difficulty in detecting the presence of a fortune. It is understood that they will begin the erection of the Golden Gate at Moorcut, and these ores before the close of the year.

Over at the Bully Hill, owned by Capt. DeLamar and managed by Hartwig A. Cohen of this city, the output of copper and silver-bearing bullion continues as steadily as mail from the reduction works of the Copper Mountain. Mr. Cohen has shown himself as capable in the development of this proposition as he did in the development of the Golden Gate at Moorcut, and not a day but he is adding to the contents of the Captain's exchequer.

TO ADD CYANIDE TO REGULAR PLANT

Ernest Bamberger, who reappeared at his desk yesterday morning after making a clean-up of gold dollars at the Gold Ridge mill, out of Baker City, Or., says that to more efficiently handle the ores of that proposition a cyanide plant must be added to the stamps, and that he will place an order to that end at an early date. He says that he is looking up very satisfactorily, and that he will begin the production of dividends the present year. The ores are maintaining a good general average and there is no prospect of a new source of the value of many thousands of dollars.

The region in which the Gold Ridge is the prominent feature is showing a good deal of activity. The present year, and Oregon is promised a new source of considerable revenue from its diggings.

A SALT LAKE BOY ORGANIZES A COMPANY

Kenneth Donnellan, the pioneer broker of Tonopah and Goldfields, returned from a business trip to San Francisco last evening, says the Journal of Commerce, Nev. Mr. Donnellan and others have lately incorporated the Midnight Gold Mining company of Lone Mountain, and will immediately begin developing the property. Mr. Donnellan, manager of the Lone Mountain Mining company of Oregon, is president of the company, and Mr. Donnellan is secretary.

The development of the property will increase the value of mining claims at Lone Mountain, and the camp will forge to the front rapidly.

Utah the Leader in Boston.

Special to The Tribune.
BOSTON, Mass., June 21.—Utah continues the leader in the local market, both in activity and breadth of action. This stock has absorbed about all of the attention both of vendors and the public. The balance of the list was by no means neglected. Prices were firm at an advancing figure and a firm undertone is to be found all around the feeling continues to improve and many expressions are heard that the copper share market will be better. Horwath & Weeks, brokers, 15 State street, Boston, and 10 Wall street, New York, furnish the following quotations:

	Sales.	High.	Low.	Close.
Amalg.	1043	59.125	59.00	59.375
Am. Zinc	59	21.625	21.50	21.50
Atlantic	14	24.00		
Mercur	34	37.75	37.50	38.875
U. S.	1485	27.125	26.50	27.00
Curb-Boston	5096	6.75		

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TONOPAH'S OUTPUT LEVY ON FURNACES

Local Resources Taxed by Increased Shipments from the Nevada Camp.

THE necessity for two more furnaces at the American Smelting and Refining company's plant is due, perhaps, to no influence so much as to the increased output of the Tonopah mines. Under the contract with the various producers, the American will next month be receiving 19 per cent more ore than is coming from that region today. The Tonopah company, senior, the Montana-Tonopah, the Belmont, and a cluster of others will begin to testify to the resources of that camp. To meet their requirements the American Smelting and Refining company is naturally levied on for at least the capacity of two more furnaces. While it does not mean a great deal in the employment of labor to the State of Nevada, it is at least gratifying to know that the valley has been made the destination of an output that promises to compare favorably with the Comstock in its most formidable days.

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MAY CLOSE OPTION ON GOLD-COPPER CLAIMS

Special to The Tribune.

CALIENTE, June 21.—Gustaf Hoebelein, a mining expert from Los Angeles, passed through camp today, en route to Denver, where he will consult with his associates regarding taking up a bond which they have held for the past six months on a group of gold-copper claims located about eighteen miles south from Moapa. The group is known as the Lone Star and have been worked for years past by the ubiquitous prospector, free gold having been found at grass roots, but at a depth of fifty to sixty feet the ore went base and while retaining high values, was not tractable for working in an arid.

Mr. Hoebelein related this group about a year ago with his partner John Pink, now deceased, and they bonded it to Denver men, who sent Mr. Hoebelein and Herman Goldsmith of Cripple Creek to the mines to expert them and take samples of the ore. Mr. Goldsmith is still at the mine, having some samples, going from \$16.20 gold and 45 per cent copper to \$75 gold and 62 per cent copper.

Mr. Hoebelein says that there is an immense deposit of the ore of the minimum value running through the entire group, while the maximum values are found in a five-foot ledge cropping out for more than 600 feet of the Sunrise claim, one of the group. The bond on the eight claims comprising the group is for \$60,000, payable 10 per cent on August 1 and one-half of the remainder six months later, and the remaining balance payable in three years. Mr. Goldsmith has recommended closing the option and taking over the group.

Fred Foster has completed location work on the St. Louis mining claim in Culver's mining district, four miles east of Caliente, and has opened a twelve-foot ledge of low-grade gold ore, cross-cutting the ledge three feet and also a ledge of lead carbonates nearly twenty feet wide on the northeast end of the claim.

Frank Palmer is taking out rich free gold ore from his Louisiana Purchase claim, one and one-half miles south of the San Pedro track, four miles east of Caliente.

IT IS REPORTED HERE THAT MR. McNAMEE OF DE LA MAR HAS SOLD HIS INTEREST IN THE CALIENTE MINING COMPANY CLAIMS HERE FOR \$10,000.

GOLDFIELD LISTENS TO STEAM WHISTLE

The News of Goldfields says: The foot of the whistle of the January's steam hoist sounded loud yesterday, for the means that thunders will soon be doubling and tripling its present output. The vertical shaft has been timbered, the guides will be in and the engine and hoist working tomorrow or Sunday. During the week the lessees have been piling up ore under ground, only hoisting what could be handled through the old incline shaft. The shipping ore is increasing in value, the average of the screenings on Wednesday being \$1281 a ton. The most valuable carload yet shipped from the January went out this week, and will net the company \$25,000 or more. Every portion of the mine is looking well, but a two-foot streak found in the 112-foot level, it is said, will nearly equal in value the bonanza ore of the Kernick & Boes lease on the Jumbo. The development of this streak will be watched with interest.

Mining Company Incorporated.

Special to The Tribune.

PROVO, June 21.—The Tidal Wave Mining and Milling company filed articles of incorporation with the county clerk today. The names of the incorporators are James Pierce, Hugh Pierce, William Pierce, J. N. Christensen, George Elliott, June M. Pierce, E. E. White and Andrew Pierce. The property consists of ten claims in the Wasatch mountains, about three miles south of Provo.

A bond and lease were placed on file in the County Recorder's office, in which H. W. Owen, J. Owen and J. W. Blinger of Salt Lake rode to W. S. Lyle of San Francisco the North Star No. 1 mining claim, situated in the Silver Lake Mining district, American Fork canyon. The claim adjoins the Ontario patented claim on the north. The consideration was \$200 and 25 per cent of the net proceeds of all shipping ores that may be marketed and 15 per cent of milling ore that may be milled and sold. The bond is given for one year and is payable in Salt Lake City.

HE SAW MINES ON SAN PEDRO

James X. Ferguson has returned from a trip over the San Pedro route and says that it is, perhaps, as resourceful as any undeveloped country, untraversed by a railroad. At Moapa he was shown samples of ore from a large number of prospects, each of which should be developed, by systematic effort, into a mine. There was gold, silver, lead and copper evident in all of the samples, and while he did not have an opportunity of making personal examination into the various ledges from which they came, the samples were of sufficient size to indicate that they occur in not a little abundance.

Mr. Ferguson verified that fourteen miles out of Moapa there have been some very important discoveries, the ores running well up in copper and not a little in gold. The intense heat, not less than 110 degrees, caused him to forego a trip through Los Angeles, which had been originally planned.

At Good Springs the work of George Gunn, representing the American Smelting and Refining company, is being followed with lively interest, not only by the prospectors, but by the railroad company, itself. And the prediction is quite general that if Mr. Gunn commends to his company the purchase of the properties upon which he has been engaged, it will mean the development of a great camp. To date, some very good ore has been shown up in the property, and it is said of the ore that it carries sufficient gold to pay the entire cost of production. Mr. Gunn is absent from the city at present, and it is assumed that upon his return the fate of his undertakings will be made known.

IMPORTANT STRIKE AT THE POINT MINES

The rumors have been frequent and persistent for the past five days of an important and what appears to be an extensive strike of ore at the Point mines four miles west of town, which have been worked by the Pioche Nevada Mining company, with C. E. Rives, superintendent, under a bond from Henry Welland and T. J. Osborn since February last, says the Record of Pioche, Nev.

The ore seams are numerous in that vicinity that the prospect work has been spread over a somewhat large area with varying success, ore being found in most of the workings, but in limited quantity.

The strike which is now attracting attention has been made where the vein crops at the surface a short distance north of the dwelling built on the south claim, some 300 feet beyond the pole line. What is particularly pleasing is that the vein appears to be vertical, the other veins in that section being more or less flat. It is true contact between limestone on the east and shale on the west. The filling is seven feet of quartz, shot full of galena. At six feet from surface a six-inch streak of lead ore was encountered, which at sixteen feet in depth has widened to two and a half feet or more of heavy galena, with some five to six feet of quartz filling, the full extent of the quartz not being yet known. The white lime to the north and east is country rock, then comes black limestone carrying in thickness from twenty to forty feet, then comes the quartz which the ore is found, and the shale lies to the west.

The strike of the vein is southeast and northwest and all conditions point to permanency.

The backers of the present work are expected to arrive from Salt Lake within the next few days to inspect the new development and to determine upon future workings.

SOME BOSTON TALK ON MINES OF UTAH

The directors of the Utah Consolidated were scheduled to declare a dividend of \$1.50 on that company's capital stock on Friday, and report has it that the U. S. Mining directors will meet today to declare the first dividend on that stock, says the Commercial Bulletin of Boston.

Utah has been one of the strong copper and has been bought steadily by New York. U. S. Mining has been very quiet, but the stock is not pressing for sale, and when it enters the dividend list and the general market improves it ought to get active and sell higher.

Mining Notes.

W. J. Craig, superintendent of the Yampai, left for Salt Lake yesterday morning.

Lawrence Greene has gone to Challis, Ida., with his family and will absent himself several weeks.

Hon. L. F. Pence came down from Idaho yesterday, on his way east, where he will consummate a big deal which means much to the commonwealth.

Between the payroll at the Centennial Eureka of Tintic and the system of mines at Bingham, the management of the United States Mining company has approximately 400 persons to whom to issue checks each month, this not inclusive of those employed at the smelter.

Joseph P. Murphy of New York, who has been looking into mine in Nevada, came in from the west yesterday on his way east.

Manager Ryan of the Montana group of Ophir canyons leaves for the East today to absent himself several weeks.

Harry Hagge, who has been attending the School of Mines at Golden, Colo., returned from that State to visit with his parents.

Alvares E. Snow left for Tintic last night to take into the progress of developments at the Martha Washington.

The management of the Tetro of Tint